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OM protein - protein search, using sw model

Run on: March 14, 2003, 03:18:01 ; Search time 1.88764 Seconds
(without alignments)
635.320 Million cell updates/sec

Title: US-09-698-781-17
Sequence: 1 TLFPVLLFL 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 908470

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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- 1: /SIDS2/gcgdata/geneseq/genescp-emb1/AA1980.DAT:*
- 2: /SIDS2/gcgdata/geneseq/genescp-emb1/AA1981.DAT:*
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- 15: /SIDS2/gcgdata/geneseq/genescp-emb1/AA1994.DAT:*
- 16: /SIDS2/gcgdata/geneseq/genescp-emb1/AA1995.DAT:*
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- 18: /SIDS2/gcgdata/geneseq/genescp-emb1/AA1997.DAT:*
- 19: /SIDS2/gcgdata/geneseq/genescp-emb1/AA1998.DAT:*
- 20: /SIDS2/gcgdata/geneseq/genescp-emb1/AA1999.DAT:*
- 21: /SIDS2/gcgdata/geneseq/genescp-emb1/AA2000.DAT:*
- 22: /SIDS2/gcgdata/geneseq/genescp-emb1/AA2001.DAT:*
- 23: /SIDS2/gcgdata/geneseq/genescp-emb1/AA2002.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------|
| 1 | 44 | 100.0 | 9 | 22 | AAE02212 |
| 2 | 44 | 100.0 | 71 | 20 | AA11989 |
| 3 | 44 | 100.0 | 245 | 22 | AAAM23992 |
| 4 | 44 | 100.0 | 245 | 22 | AAAM24000 |
| 5 | 44 | 100.0 | 258 | 22 | AAE02211 |
| 6 | 35 | 79.5 | 68 | 22 | AAAM85541 |
| 7 | 35 | 79.5 | 101 | 22 | AAAB67466 |
| 8 | 35 | 79.5 | 467 | 17 | AAAM05754 |
| 9 | 35 | 79.5 | 555 | 18 | AAAM89799 |
| 10 | 35 | 79.5 | 1325 | 21 | AAAG46049 |

| | | | | | | |
|----|----|------|-----|----|-----------|---------------------|
| 11 | 34 | 77.3 | 118 | 20 | AAV11866 | Human 5' EST seque |
| 12 | 34 | 77.3 | 247 | 22 | AAAM78865 | Human protein SEQ |
| 13 | 34 | 77.3 | 247 | 22 | AAAB92912 | Human protein sequ |
| 14 | 34 | 77.3 | 247 | 22 | AAAB93064 | Human protein sequ |
| 15 | 34 | 77.3 | 247 | 23 | AAE14683 | Human transcriptio |
| 16 | 34 | 77.3 | 247 | 23 | AAU09500 | Human kruppel homo |
| 17 | 34 | 77.3 | 249 | 22 | AAAM79849 | Human protein SEQ |
| 18 | 34 | 77.3 | 392 | 22 | AAAG81957 | S. epidermidis ope |
| 19 | 34 | 77.3 | 398 | 23 | ABP39879 | Staphylococcus epi |
| 20 | 34 | 77.3 | 405 | 20 | AAAM95085 | S. aureus integral |
| 21 | 33 | 75.0 | 15 | 22 | AAAG64335 | Amlase family pro |
| 22 | 33 | 75.0 | 59 | 21 | AAAG00585 | Human secreted pro |
| 23 | 33 | 75.0 | 59 | 23 | ABP09865 | Human ORF protein |
| 24 | 33 | 75.0 | 74 | 22 | AAU14827 | Novel bone marrow |
| 25 | 33 | 75.0 | 81 | 22 | ABBI1544 | Human nervous syst |
| 26 | 33 | 75.0 | 89 | 23 | ABBS5012 | Lactococcus lactis |
| 27 | 33 | 75.0 | 95 | 22 | AAAG64334 | Amlase family pro |
| 28 | 33 | 75.0 | 123 | 21 | AAAB41632 | Human ORF ORF1396 |
| 29 | 33 | 75.0 | 245 | 22 | AAAG73778 | Human colon cancer |
| 30 | 33 | 75.0 | 261 | 21 | AAV71214 | Human irritabile bo |
| 31 | 33 | 75.0 | 267 | 21 | AAAB58455 | Lung cancer associ |
| 32 | 33 | 75.0 | 273 | 23 | ABG66708 | Human novel polype |
| 33 | 33 | 75.0 | 279 | 20 | AAV27686 | Human secreted pro |
| 34 | 33 | 75.0 | 350 | 23 | ABBS2035 | Herbicideally activ |
| 35 | 33 | 75.0 | 358 | 20 | AAV33603 | Chlamydia trachoma |
| 36 | 33 | 75.0 | 365 | 20 | AAV37139 | Protein involved i |
| 37 | 33 | 75.0 | 408 | 21 | AAV84441 | Amino acid sequenc |
| 38 | 33 | 75.0 | 411 | 20 | AAV34445 | Porphyrinoma ging |
| 39 | 33 | 75.0 | 420 | 22 | AAO12624 | Human polypeptide |
| 40 | 33 | 75.0 | 428 | 20 | AAV34324 | Porphyrinoma ging |
| 41 | 33 | 75.0 | 843 | 22 | ABBI1410 | Human RNA-associat |
| 42 | 33 | 75.0 | 843 | 22 | AAAB41212 | Human polypeptide |
| 43 | 33 | 75.0 | 857 | 23 | ABP26367 | Streptococcus poly |
| 44 | 33 | 75.0 | 876 | 23 | ABP30087 | Streptococcus poly |
| 45 | 33 | 75.0 | 888 | 22 | AAAM39426 | Human polypeptide |

ALIGNMENTS

| | |
|----------|---|
| RESULT 1 | |
| AAE02212 | standard; peptide: 9 AA. |
| XX | |
| AC | AAE02212: |
| XX | |
| DT | 31-JUL-2001 (first entry) |
| XX | |
| DE | Human SGP28 peptide #1. |
| XX | |
| KW | Human: specific granule protein 28; SGP28; therapy; anticancer; colon; |
| KW | prostate; cancer; prognosis; vaccine; major histocompatibility complex; |
| KW | MHC; human leucocyte antigen; HLA-A2. |
| XX | |
| OS | Homo sapiens. |
| XX | |
| PN | WO200131343-A2. |
| XX | |
| PD | 03-MAY-2001. |
| XX | |
| PF | 27-OCT-2000; 2000WO-US29607. |
| XX | |
| PR | 28-OCT-1999; 99US-0162610. |
| XX | |
| PA | (UROC-) UROGENESYS INC. |
| XX | |
| PI | Hubert RS, Raitano AB, Afar DEH, Mitchell SC, Faris M; |
| XX | Jakobovits A; |
| XX | WPI: 2001-308685/32. |
| DR | Detecting cancers, particularly of prostate and colon, from |
| XX | overexpression of SGP28 protein, also methods for treating these |
| PT | |

PT cancers e.g. by vaccination with the protein -

XX
PS Claim 18; Page 80; 102pp; English.

XX
CC The present invention relates to methods and compositions for the
CC diagnosis and therapy of prostate cancer which utilize human SGP28
CC (specific granule protein 28) gene and proteins. The method involves
CC detecting cancers, particularly of prostate and colon, from
CC overexpression of SGP28 protein. The expression of SGP28, which is an
CC extracellular protein is restricted to the prostate and ovary, and is
CC markedly up-regulated in prostate tumours. SGP28 sequence is used for
CC diagnosis (including in vivo imaging), staging, monitoring and prognosis
CC of prostate and colon cancer, and for assisting selection of therapy.
CC Also SGP28-expressing cancers can be treated by administering a
CC composition or vaccine that contains a vector expressing an antibody
CC specific for SGP28 protein, nucleic acid encoding SGP28 protein or its
CC fragments, polypeptides encoded by SGP28 gene and SGP28-specific antibody
CC optionally conjugated to toxin or therapeutic agent. SGP28 gene product
CC is also used as source of therapeutic antisense or ribozyme agents, as
CC primers/probes for diagnosis or prognosis, to identify compounds that
CC inhibit calcium entry into prostatic cells, for recombinant production
CC of SGP28 peptides and for isolating related sequences. SGP28 protein and
CC its fragments are used to raise specific antibodies (Ab) and to identify
CC specific binding agents (potentially useful as therapeutic and
CC diagnostic agents) and also potential anticancer agents. The present
CC sequence is human SGP28 peptide. This sequence binds to the human MHC
CC (major histocompatibility complex) class I molecule (human leucocyte
CC antigen) HLA-A2.

XX
SO Sequence 9 AA:

Query Match 100.0%; Score 44; DB 22; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.8e+05;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TLFVPLFL 9
Db 1 TLFVPLFL 9

RESULT 2
AA11989
ID AA11989 standard; Protein: 71 AA.

XX
AC AA11989;

XX
DT 18-JUN-1999 (first entry)

XX
DE Human 5' EST secreted protein SEQ ID No: 589.

XX
DE Human; secreted protein; EST; expressed sequence tag; diagnosis;
KW forensic; gene therapy; chromosome mapping; signal peptide; prostate;
KW upstream regulatory sequence; cytokine activity; cell proliferation;
KW differentiation; haematopoiesis regulation; tissue growth regulation;
KW reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
KW thrombolytic; anti-inflammatory; tumour inhibition.

XX
OS Homo sapiens.

XX
PM WO9906550-A2.

XX
PD 11-FEB-1999.

XX
PF 31-JUL-1998; 98MO-IB01232.

XX
PR 01-AUG-1997; 97US-0905144.

XX
PA (GEST) GENSET.

XX
PI Duclert A, Dumas Mline Edwards J, Lacroix B;

XX
DR WPI: 1999-153780/13.

XX
DR N-PSDB: AAX40711.

XX
PT New isolated prostate-derived nucleic acids - used to develop
PT products which may have cytokine, immune regulatory, haematopoiesis
PT regulating, anti-inflammatory or tumour inhibition activity

XX
PS Claim 34; Page 672; 675pp; English.

XX
CC AAX40438 to AAX40715 represent 5' expressed sequence tags (ESTs) for
CC human secreted proteins expressed in prostate, and encode the proteins
CC given in AA11716 to AA11993 respectively. The proteins given represent
CC the signal peptide and an N-terminal fragment of a secreted protein. The
CC nucleic acid sequences can be used for producing secreted human gene
CC products. The proteins can also be used to develop products for diagnosis and
CC therapy. The proteins obtained may have cytokine activity, cell
CC proliferation and differentiation activity, haematopoiesis regulating
CC activity, tissue growth regulating activity, reproductive hormone
CC regulating activity, chemotactic/chemokinetic activity, haemostatic and
CC thrombolytic activity, receptor/ligand activity, anti-inflammatory
CC activity, tumour inhibition activity or other activities. The products
CC can be used in forensic, gene therapy and chromosome mapping procedures.
CC The sequences can also be used for obtaining corresponding promoter
CC sequences. The nucleic acids encoding the signal peptides can be used for
CC detecting extracellular secretion of a polypeptide or the insertion of a
CC polypeptide into a membrane, or importing a polypeptide into a cell.

XX
SO Sequence 71 AA:

Query Match 100.0%; Score 44; DB 20; Length 71;
Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TLFVPLFL 9
Db 15 TLFVPLFL 23

RESULT 3
AAM23992
ID AAM23992 standard; Protein: 245 AA.

XX
AC AAM23992;

XX
DT 12-OCT-2001 (first entry)

XX
DE Human EST encoded protein SEQ ID NO: 1517.

XX
DE Human; sheep; pig; cow; fruit fly; yeast; hamster; macaque; horse;
KW tomato; monkey; dog; sea urchin; expressed sequence tag; EST;
KW diagnostics; forensic test; gene mapping; genetic disorder;
KW biodiversity; gene therapy; nutrition.

XX
OS Homo sapiens.

XX
PM WO200154477-A2.

XX
PD 02-AUG-2001.

XX
PF 25-JAN-2001; 2001WO-US02687.

XX
PR 25-JAN-2000; 2000US-0491404.

XX
PR 17-JUL-2000; 2000US-0617746.

XX
PR 03-AUG-2000; 2000US-0631451.

XX
PR 15-SEP-2000; 2000US-0663870.

XX
PA (HYSE-) HYSEQ INC.

XX
PI Tang YT, Liu C, Zhou P, Qian XB, Wang Z, Chen R, Asundi V;

XX
PI Cao Y, Drmanac RA, Zhang J, Werhman T;

XX
DR WPI: 2001-476164/51.

XX
DR N-PSDB: AAH98651.

XX
PT Isolated polypeptide for treatment of diseases, diagnostics, raising

```
PT  antibodies and research use -
XX
PS  Claim 20: Page 1047-1048; 1275pp; English.
XX
CC  The present invention provides the protein and coding sequences of novel
CC  proteins from a variety of organisms, including human, dog, cat, horse,
CC  cow, pig, hamster, monkey, macaque, yeast, bacteria, fruit fly, sea
CC  urchin and tomato. These were derived from expressed sequence tags (ESTs)
CC  from the organism of interest. They can be used in diagnostics,
CC  forensics, gene mapping, identification of mutations, to assess
CC  biodiversity and for nutritional purposes. The present sequence is a
CC  protein of the invention.
XX
SQ  Sequence 245 AA:

Query Match 100.0%; Score 44; DB 22; Length 245;
Best Local Similarity 100.0%; Pred. No. 0.66;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TLFVPLFL 9
Db 2 TLFVPLFL 10

RESULT 4
AAM24000
ID AAM24000 standard; Protein; 245 AA.
XX
AC AAM24000;
XX
DT 12-OCT-2001 (first entry)
XX
DE Human EST encoded protein SEQ ID NO: 1525.
XX
KW Human; sheep; pig; cow; fruit fly; yeast; hamster; macaque; horse;
KW tomato; monkey; dog; sea urchin; expressed sequence tag; EST;
KM diagnostics; forensic test; gene mapping; genetic disorder;
XX
XX biodiversity; gene therapy; nutrition.
XX
OS Homo sapiens.
XX
PN MO200154477-A2.
XX
PD 02-AUG-2001.
XX
PF 25-JAN-2001; 2001MO-US02687.
XX
XX
PR 25-JAN-2000; 2000US-0491404.
PR 17-JUL-2000; 2000US-0617746.
PR 03-AUG-2000; 2000US-0631451.
PR 15-SEP-2000; 2000US-0663870.
XX
XX
PA (HYSE-) HYSEO INC.
XX
PI Tang YT, Liu C, Zhou P, Qian XB, Wang Z, Chen R, Asundi V;
PI Cao Y, Drmanac RA, Zhang J, Werhman T;
XX
DR WPI: 2001-476164/51.
DR N-PSDB: AAH9659.
XX
PT Isolated polypeptide for treatment of diseases, diagnostics, raising
PT antibodies and research use -
XX
PS Claim 20: Page 1051-1052; 1275pp; English.
XX
XX
CC The present invention provides the protein and coding sequences of novel
CC proteins from a variety of organisms, including human, dog, cat, horse,
CC cow, pig, hamster, monkey, macaque, yeast, bacteria, fruit fly, sea
CC urchin and tomato. These were derived from expressed sequence tags (ESTs)
CC from the organism of interest. They can be used in diagnostics,
CC forensics, gene mapping, identification of mutations, to assess
CC biodiversity and for nutritional purposes. The present sequence is a
CC protein of the invention.
XX
XX
SQ Sequence 245 AA:

Query Match 100.0%; Score 44; DB 22; Length 245;
Best Local Similarity 100.0%; Pred. No. 0.66;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TLFVPLFL 9
Db 2 TLFVPLFL 10

RESULT 5
AAE02211
ID AAE02211 standard; Protein; 258 AA.
XX
AC AAE02211;
XX
DT 31-JUL-2001 (first entry)
XX
DE Human full-length 36PIG3/SGP28 protein.
XX
XX
KW Human; 36PIG3 clone; specific granule protein 28; SGP28; therapy;
KW prostate; colon; cancer; prognosis; vaccine; anticancer.
XX
XX Homo sapiens.
XX
FH Key
FH Peptide
FT 1..32
FT /label- signal-peptide
FT 33..258
FT /note- "Human mature full-length 36PIG3/SGP28 protein"
FT 26..31
FT /note- "N-myristoylation site; This region is
FT specifically referred in claim 18"
FT 106..108
FT /note- "Protein kinase C phosphorylation site; This
FT region is specifically referred in claim 18"
FT 108..114
FT /note- "Tyrosine kinase phosphorylation site; This
FT region is specifically referred in claim 18"
FT 128..131
FT /note- "Casein kinase II phosphorylation site; This
FT region is specifically referred in claim 18"
FT 148..158
FT /note- "Extracellular protein SCP signature sequence"
FT 164..169
FT /note- "N-myristoylation site; This region is
FT specifically referred in claim 18"
FT 179..190
FT /note- "Extracellular protein SCP signature sequence"
FT 188..193
FT /note- "N-myristoylation site; This region is
FT specifically referred in claim 18"
FT 201..206
FT /note- "N-myristoylation site; This region is
FT specifically referred in claim 18"
FT 206..209
FT /note- "Casein kinase II phosphorylation site; This
FT region is specifically referred in claim 18"
FT 214..219
FT /note- "N-myristoylation site; This region is
FT specifically referred in claim 18"
FT 231..233
FT /note- "Protein kinase C phosphorylation site; This
FT region is specifically referred in claim 18"
FT 252..255
FT /note- "N-glycosylation site; This
FT region is specifically referred in claim 18"
XX
XX WO200131343-A2.
XX
PD 03-MAY-2001.
```


PR 02-OCT-2000; 2000US-0236802.
 PR 02-OCT-2000; 2000US-0237037.
 PR 02-OCT-2000; 2000US-0237038.
 PR 02-OCT-2000; 2000US-0237039.
 PR 02-OCT-2000; 2000US-0237040.
 PR 13-OCT-2000; 2000US-0239935.
 PR 13-OCT-2000; 2000US-0239937.
 PR 20-OCT-2000; 2000US-0240960.
 PR 20-OCT-2000; 2000US-0241221.
 PR 20-OCT-2000; 2000US-0241785.
 PR 20-OCT-2000; 2000US-0241786.
 PR 20-OCT-2000; 2000US-0241787.
 PR 20-OCT-2000; 2000US-0241808.
 PR 20-OCT-2000; 2000US-0241809.
 PR 20-OCT-2000; 2000US-0241826.
 PR 01-NOV-2000; 2000US-024617.
 PR 08-NOV-2000; 2000US-0246474.
 PR 08-NOV-2000; 2000US-0246475.
 PR 08-NOV-2000; 2000US-0246476.
 PR 08-NOV-2000; 2000US-0246477.
 PR 08-NOV-2000; 2000US-0246478.
 PR 08-NOV-2000; 2000US-0246523.
 PR 08-NOV-2000; 2000US-0246524.
 PR 08-NOV-2000; 2000US-0246525.
 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246527.
 PR 08-NOV-2000; 2000US-0246528.
 PR 08-NOV-2000; 2000US-0246532.
 PR 08-NOV-2000; 2000US-0246609.
 PR 08-NOV-2000; 2000US-0246610.
 PR 08-NOV-2000; 2000US-0246611.
 PR 08-NOV-2000; 2000US-0246613.
 PR 17-NOV-2000; 2000US-0249207.
 PR 17-NOV-2000; 2000US-0249208.
 PR 17-NOV-2000; 2000US-0249209.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249211.
 PR 17-NOV-2000; 2000US-0249212.
 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249215.
 PR 17-NOV-2000; 2000US-0249216.
 PR 17-NOV-2000; 2000US-0249217.
 PR 17-NOV-2000; 2000US-0249218.
 PR 17-NOV-2000; 2000US-0249244.
 PR 17-NOV-2000; 2000US-0249245.
 PR 17-NOV-2000; 2000US-0249264.
 PR 17-NOV-2000; 2000US-0249265.
 PR 17-NOV-2000; 2000US-0249297.
 PR 17-NOV-2000; 2000US-0249299.
 PR 17-NOV-2000; 2000US-0249300.
 PR 01-DEC-2000; 2000US-0250160.
 PR 01-DEC-2000; 2000US-0250391.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251988.
 PR 05-DEC-2000; 2000US-0256719.
 PR 06-DEC-2000; 2000US-0251479.
 PR 08-DEC-2000; 2000US-0251856.
 PR 08-DEC-2000; 2000US-0251868.
 PR 08-DEC-2000; 2000US-0251869.
 PR 08-DEC-2000; 2000US-0251889.
 PR 08-DEC-2000; 2000US-0251990.
 PR 11-DEC-2000; 2000US-0254097.
 PR 03-JAN-2001; 2001US-0253678.
 XX
 XX
 PA (HUMA-) HUMAN GENOME SCI INC.
 XX
 PI Rosen CA, Barash SC, Ruben SM;
 XX
 DR WPI: 2001-483426/52.
 DR N-PSDB: AAK58322.
 XX
 PT Nucleic acids encoding human Immune/hematopoietic antigen polypeptides,

PT useful for preventing, diagnosing and/or treating cancers and
 PT metastasis -
 XX
 XX
 XX Claim 11; SEQ ID NO 13134; 3071pp + Sequence Listing; English.
 PS
 CC AAK54951 to AAK64702 encode the human Immune/hematopoietic antigen (I)
 CC amino acid sequences given in AAK82170 to AAK91921. (I) have cytosolic
 CC activity, and can be used in gene therapy and vaccine production. (I)
 CC proteins and polynucleotides may be used in the prevention, diagnosis and
 CC treatment of diseases associated with inappropriate (I) expression. For
 CC example, they may be used to treat disorders associated with decreased
 CC expression by rectifying mutations or deletions in a patient's genome
 CC that affect the activity of (I) by expressing inactive proteins or to
 CC supplement the patient's own production of (I). Additionally, (I)
 CC polynucleotides may be used to produce the secreted (I), by inserting the
 CC the nucleic acids into a host cell and culturing the cell to express the
 CC protein. (I) proteins and polynucleotides may be used to prevent,
 CC diagnose and treat Immune/hematopoietic-related diseases, especially
 CC cancers and cancer metastases of hematopoietic-derived cells. AAK64703
 CC to AAK87694 represent human Immune/hematopoietic antigen genomic
 CC sequences from the present invention. AAK54942 to AAK54950 and AAK82169
 CC represent sequences used in the exemplification of the present invention.
 XX
 SO Sequence 68 AA:
 QY 1 TLEPVLLFL 9
 Db 47 TAPVIMFL 55
 Query Match 79.5%; Score 35; DB 22; Length 68;
 Best Local Similarity 66.7%; Pred. No. 10;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 RESULT 7
 AAB67466
 ID AAB67466 standard; Protein; 101 AA.
 AC AAB67466;
 DT 15-MAY-2001 (first entry)
 DE Amino acid sequence of a calcium channel transport polypeptide.
 XX
 KW Calcium channel transport polypeptide; calcium trafficking;
 KW neutral disorder; HIV-induced dementia; immune system disorder;
 KW rheumatoid arthritis; muscular disorder; muscle contractile dysfunction;
 KW reproductive disorder; gastrointestinal disorder; pulmonary disorder;
 KW cardiovascular disorder; arrhythmia; renal disorder;
 KW proliferative disorder; cancer; lung carcinoma; breast cancer.
 XX
 OS Homo sapiens.
 XX
 PN WO200108635-A2.
 PD 08-FEB-2001.
 PF 27-JUL-2000; 2000WO-US20392.
 XX
 PR 28-JUL-1999; 99US-0145958.
 PR 18-AUG-1999; 99US-0149446.
 PR 14-MAR-2000; 2000US-0189064.
 XX
 PA (HUMA-) HUMAN GENOME SCI INC.
 XX
 PI Ruben SM, Ni J, Shi Y;
 XX
 DR WPI: 2001-138604/14.
 DR N-PSDB: AAF55043.
 XX
 PT New isolated nucleic acid useful for diagnosing, detecting, or treating
 PT or preventing diseases associated with anomalies in calcium trafficking
 PT across the plasma membrane -

XX PS Claim 11: Page 258; 259pp: English.
 XX CC The present sequence represents a calcium channel transport polypeptide.
 CC The polynucleotide, polypeptides, and antibodies are useful for
 CC preventing, treating, or ameliorating diseases associated with anomalies
 CC in calcium trafficking across the plasma membrane. They are used to
 CC diagnose, detect and treat or prevent diseases or conditions such as
 CC (e.g. rheumatoid arthritis), muscular disorders (e.g. muscle contractile
 CC dysfunction), reproductive disorders, gastrointestinal disorders, renal
 CC pulmonary disorders, cardiovascular disorders (e.g. arrhythmias), renal
 CC disorders, proliferative disorders, and/or cancerous diseases and
 CC conditions (e.g. lung carcinoma or breast cancer).
 XX SO Sequence 101 AA;
 XX
 OY Query Match 79.5%; Score 35; DB 22; Length 101;
 Best Local Similarity 100.0%; Pred. No. 16;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 2 LFPVLLF 8
 |||||
 Db 79 LFPVLLF 85
 RESULT 8
 AAM05754
 ID AAM05754 standard; Protein: 467 AA.
 XX AC AAM05754;
 XX DT 23-JUL-1997 (first entry)
 XX DE Presentin-1-1 A285V mutation.
 XX KW Presentin-1; human; hps1-1; hps1-2; Integral membrane protein; AD;
 KW familial Alzheimer's disease; cerebral haemorrhage; schizophrenia;
 KW depression; antibody; gene expression modulator; therapy; mutein.
 XX OS Homo sapiens.
 XX FH Key Location/Qualifiers
 FT Modified-site 285
 FT /label= A285V
 XX PN W09634099-A2.
 XX PD 31-OCT-1996.
 XX PF 29-APR-1996; 96WO-CA00263.
 XX PR 31-JUL-1995; 95US-0509359.
 PR 28-APR-1995; 95US-0431048.
 PR 28-JUN-1995; 95US-0496841.
 XX PA (HSCR-) HSC RES & DEV LP.
 PA (UTOR) UNIV TORONTO GOVERNING COUNCIL.
 XX PI Fraser PE, Rommens JM, St George-Hyslop PH;
 XX WP: 1996-497631/49.
 XX DT New presentin genes - useful for diagnosis, therapy and drug
 PT screening of familial Alzheimer's disease, cerebral disorders, etc.
 XX PS Claim 3; Page -: 178pp: English.
 XX AAAM05736-W05760 represent mutated versions of the human presentin-1-1
 CC protein (see AAM05733 for wild type sequence). AAM05734 represents a
 CC different wild type form of presentin-1 that results from alternate
 CC splicing of the genomic DNA sequence. The presentins are a family of
 CC highly conserved integral membrane proteins with a common structural

CC motif, common alternate splicing patterns, and common mutational hot
 CC spot regions. Mutations in PS genes are implicated in familial
 CC Alzheimer's disease (AD) and possibly other diseases such as cerebral
 CC hemorrhage, schizophrenia, depression etc., so detection of mutations in
 CC the DNA encoding the wild type sequences can be used for diagnosis of
 CC these diseases. The wild type proteins, or vectors that express them or
 CC containing antisense sequences, antibodies selective for these mutant
 CC forms of the proteins and modulators of PS gene expression are
 CC potentially useful for treatment of AD etc. Transgenic animals are
 CC useful as models for drug screening. The antibodies can also be used e.g.
 CC for affinity purification and in immunoassays.
 XX SO Sequence 467 AA;
 XX
 OY Query Match 79.5%; Score 35; DB 17; Length 467;
 Best Local Similarity 75.0%; Pred. No. 80;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 OY 1 TLFPVLLF 8
 |||||
 Db 281 TLFPVLLF 288
 RESULT 9
 AAM89799
 ID AAM89799 standard; Protein: 555 AA.
 XX AC AAM89799;
 XX DT 16-MAR-1999 (first entry)
 XX DE Staphylococcus aureus protein SEQ ID #5247.
 XX KW Computer readable medium; vaccine; S.aureus infection; immunodetection;
 KW cellulitis; eyelid infection; food poisoning; osteomyelitis; therapy;
 KW skin infection; surgical wound infection; scalded skin syndrome;
 KW toxic shock syndrome.
 XX OS Staphylococcus aureus.
 XX PN EP786519-A2.
 XX PD 30-JUL-1997.
 XX PF 07-JAN-1997; 97EP-0100117.
 XX PR 05-JAN-1996; 96US-0009861.
 XX PA (HUMA-) HUMAN GENOME SCI INC.
 XX PI Barash SC, Choi GH, Dillon PJ, Fannon MR, Kunsch CA;
 XX PI Rosen CA;
 XX WP: 1997-374922/35.
 XX DT Polynucleotide(s) and proteins derived from Staphylococcus aureus
 PT stored on computer readable medium and used in the production of
 PT anti-S.aureus vaccines
 XX PS Claim 23; Page 3252-3254; 3271pp: English.
 XX
 CC This sequence represents a Staphylococcus aureus protein sequence of the
 CC invention. The DNA sequences encoding the S.aureus proteins are recorded
 CC on a computer readable medium, preferably selected from a floppy or hard
 CC disk, random access memory (RAM), read-only memory (ROM) or CD-ROM.
 CC Homology searches using the S.aureus DNA sequences allows putative
 CC functions to be assigned so that protein-encoding or regulatory regions
 CC of commercial, therapeutic or industrial importance can be obtained.
 CC Specifically, sequences which are likely to encode antigens have been
 CC identified and these polypeptides can be used in a vaccine composition
 CC against S.aureus infection. The polypeptides can also be used in a kit
 CC for the immunodetection of S.aureus in a sample. S.aureus is implicated
 CC in numerous human diseases, including cellulitis, eyelid infections, food


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PR 04-AUG-1999; 99US-0147204.
PR 04-AUG-1999; 99US-0147302.
PR 05-AUG-1999; 99US-0147192.
PR 05-AUG-1999; 99US-0147260.
PR 06-AUG-1999; 99US-0147303.
PR 06-AUG-1999; 99US-0147416.
PR 09-AUG-1999; 99US-0147493.
PR 09-AUG-1999; 99US-0147935.
PR 10-AUG-1999; 99US-0148171.
PR 11-AUG-1999; 99US-0148319.
PR 12-AUG-1999; 99US-0148341.
PR 13-AUG-1999; 99US-0148565.
PR 13-AUG-1999; 99US-0148684.
PR 16-AUG-1999; 99US-0149368.
PR 17-AUG-1999; 99US-0149175.
PR 18-AUG-1999; 99US-0149426.
PR 20-AUG-1999; 99US-0149722.
PR 20-AUG-1999; 99US-0149723.
PR 20-AUG-1999; 99US-0149929.
PR 23-AUG-1999; 99US-0149902.
PR 23-AUG-1999; 99US-0149930.
PR 25-AUG-1999; 99US-0150566.
PR 26-AUG-1999; 99US-0150884.
PR 27-AUG-1999; 99US-0151065.
PR 27-AUG-1999; 99US-0151066.
PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
PR 07-SEP-1999; 99US-0152363.
PR 10-SEP-1999; 99US-0153070.
PR 13-SEP-1999; 99US-0153758.
PR 15-SEP-1999; 99US-0154018.
PR 16-SEP-1999; 99US-0154039.
PR 20-SEP-1999; 99US-0154779.
PR 22-SEP-1999; 99US-0155139.
PR 23-SEP-1999; 99US-0155486.
PR 24-SEP-1999; 99US-0155659.
PR 28-SEP-1999; 99US-0156458.
PR 29-SEP-1999; 99US-0156596.
PR 04-OCT-1999; 99US-0157117.
PR 05-OCT-1999; 99US-0157753.
PR 06-OCT-1999; 99US-0157865.
PR 07-OCT-1999; 99US-0158029.
PR 08-OCT-1999; 99US-0158232.
PR 12-OCT-1999; 99US-0158369.
PR 13-OCT-1999; 99US-0159293.
PR 13-OCT-1999; 99US-0159294.
PR 13-OCT-1999; 99US-0159295.
PR 14-OCT-1999; 99US-0159329.
PR 14-OCT-1999; 99US-0159330.
PR 14-OCT-1999; 99US-0159331.
PR 14-OCT-1999; 99US-0159637.
PR 14-OCT-1999; 99US-0159638.
PR 18-OCT-1999; 99US-0159584.
PR 21-OCT-1999; 99US-0160741.
PR 21-OCT-1999; 99US-0160767.
PR 21-OCT-1999; 99US-0160768.
PR 21-OCT-1999; 99US-0160770.
PR 21-OCT-1999; 99US-0160814.
PR 21-OCT-1999; 99US-0160815.
PR 22-OCT-1999; 99US-0160980.
PR 22-OCT-1999; 99US-0160981.
PR 22-OCT-1999; 99US-0160989.
PR 25-OCT-1999; 99US-0161404.
PR 25-OCT-1999; 99US-0161405.
PR 25-OCT-1999; 99US-0161406.
PR 26-OCT-1999; 99US-0161359.
PR 26-OCT-1999; 99US-0161360.
PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.

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PR 29-OCT-1999; 99US-0162142.

Query Match 79.5%; Score 35; DB 21; Length 1325;
 Best Local Similarity 77.8%; Pred. No. 2,4e+02;
 Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 1 TLEPVLLFL 9
 ||||:|
 Db 72 TLEPVLLFL 80

RESULT 11
 AAY11866
 ID AAY11866 standard; Protein; 118 AA.

AC AAY11866;
 DT 18-JUN-1999 (first entry)

DE Human 5' EST secreted protein SEQ ID No: 466.

Human: secreted protein; EST; expressed sequence tag; diagnosis;
 forensic; gene therapy; chromosome mapping; signal peptide; prostate;
 upstream regulatory sequence; cytokine activity; cell proliferation;
 differentiation; haematopoiesis regulation; tissue growth regulation;
 reproductive hormone regulation; chemotactic; chemokine; haemostatic;
 thrombolytic; anti-inflammatory; tumour inhibition.

OS Homo sapiens.

PN W09906550-A2.

PD 11-FEB-1999.

PF 31-JUL-1998; 98MO-1B01232.

PR 01-AUG-1997; 97US-0905144.

PA (GEST) GENSEP.

PI Duclert A, Dumas Milne Edwards J, Lacroix B;

DR WPT. 1999-153780/13.

DR N-PSDB; AAX40588.

PT New isolated prostate-derived nucleic acids - used to develop
 products which may have cytokine, immune regulatory, haematopoiesis
 regulating, anti-inflammatory or tumour inhibition activity

PS Claim 34; Page 593; 675pp; English.

AAX40438 to AAX40715 represent 5' expressed sequence tags (ESTs) for
 human secreted proteins expressed in prostate, and encode the proteins
 given in AAY11716 to AAY11993 respectively. The proteins given represent
 the signal peptide and an N-terminal fragment of a secreted protein. The
 nucleic acid sequences can be used for producing secreted human gene
 products. They can also be used to develop products for diagnosis and
 therapy. The proteins obtained may have cytokine activity, cell
 proliferation and differentiation activity, haematopoiesis regulating
 activity, tissue growth regulating activity, reproductive hormone
 regulating activity, chemotactic/chemokine activity, haemostatic and
 thrombolytic activity, receptor/ligand activity, anti-inflammatory
 activity, tumour inhibition activity or other activities. The products
 can be used in forensic, gene therapy and chromosome mapping procedures.
 The sequences can also be used for obtaining corresponding promoter
 sequences. The nucleic acids encoding the signal peptides can be used for
 directing extracellular secretion of a polypeptide or the insertion of a
 polypeptide into a membrane, or importing a polypeptide into a cell.

SQ Sequence 118 AA;

Query Match 77.3%; Score 34; DB 20; Length 118;
 Best Local Similarity 75.0%; Pred. No. 30;

Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 1 TLFPVLLF 8
: : : : :
Db 111 SIFPVLLF 118

RESULT 12

AA078865
ID AAM78865 standard; Protein: 247 AA.

AC AAM78865;

DT 06-NOV-2001 (first entry)

DE Human protein SEQ ID NO 1527.

DE Human; cytokine; cell proliferation; cell differentiation; gene therapy;

KM vaccine; peptide therapy; stem cell growth factor; haematopoiesis;

KM tissue growth factor; immunomodulatory; cancer; leukaemia;

KM nervous system disorder; arthritis; inflammation.

OS Homo sapiens.

PN M0200157190-A2.

PD 09-AUG-2001.

PF 05-FEB-2001; 2001MO-US04098.

PR 03-FEB-2000; 2000US-0496914.

PR 27-APR-2000; 2000US-0560875.

PR 20-JUN-2000; 2000US-0598075.

PR 19-JUL-2000; 2000US-0620325.

PR 01-SEP-2000; 2000US-0654936.

PR 15-SEP-2000; 2000US-0663561.

PR 20-OCT-2000; 2000US-0683325.

PR 30-NOV-2000; 2000US-0728422.

XX (HYSE-) HYSEQ INC.

PI Tang YT, Liu C, Drmanac RT, Asundi V, Zhou P, Xu C, Cao Y, Ma Y;

PI Zhao QA, Wang D, Wang J, Zhang J, Ren F, Chen R, Wang ZW;

PI Xue AD, Yang Y, Wehrman T, Goodrich R;

DR WPI: 2001-476283/51.

DR N-PSDB: AAK51998.

PT Nucleic acids encoding polypeptides with cytokine-like activities,

PT useful in diagnosis and gene therapy -

PS Claim 20; Page 3830; 6221pp; English.

XX The invention relates to polynucleotides (AAK51456-AAK53435) and the

CC encoded polypeptides (AAM78323-AAM80302) that exhibit activity elating to

CC cytokine, cell proliferation or cell differentiation or which may induce

CC production of other cytokines in other cell populations. The

CC polynucleotides and polypeptides are useful in gene therapy, vaccines or

CC peptide therapy. The polypeptides have various cytokine-like activities,

CC e.g. stem cell growth factor activity, haematopoiesis regulating

CC activity, tissue growth factor activity, immunomodulatory activity and

CC activin/inhibin activity and may be useful in the diagnosis and/or

CC treatment of cancer, leukaemia, nervous system disorders, arthritis and

CC inflammation.

CC Note: Records for SEQ ID NO 2110 (AAK52581), 2111 (AAK52582) and 3666

CC (AAM80020) are omitted as the relevant pages from the sequence listing

CC were missing at the time of publication.

XX Sequence 247 AA;

SO Query Match 77.3%; Score 34; DB 22; Length 247;

Best Local Similarity 75.0%; Pred. No. 64;

Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 1 TLFPVLLF 8
: : : : :
Db 111 SIFPVLLF 118

RESULT 13

AA092912
ID AAB92912 standard; Protein: 247 AA.

AC AAB92912;

DT 26-JUN-2001 (first entry)

DE Human protein sequence SEQ ID NO:11546.

DE Human; primer; detection; diagnosis; antisense therapy; gene therapy.

OS Homo sapiens.

PN EPI074617-A2.

PD 07-FEB-2001.

PF 28-JUL-2000; 2000EP-0116126.

PR 29-JUL-1999; 99JP-0248036.

PR 27-AUG-1999; 99JP-0300253.

PR 11-JAN-2000; 2000JP-0118776.

PR 02-MAY-2000; 2000JP-0183767.

PR 09-JUN-2000; 2000JP-0241899.

XX (HELI-) HELIX RES INST.

PI Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;

PI Ishii S, Sugiyama T, Wakematsu A, Nagai K, Otsuki T;

DR WPI: 2001-318749/34.

PS Claim 8; SEQ ID 11546; 2537pp + CD ROM; English.

CC The present invention describes primer sets for synthesizing 5602

CC full-length cDNAs defined in the specification. Where a primer set

CC comprises: (a) an oligo-dT primer and an oligonucleotide complementary

CC to the complementary strand of a polynucleotide which comprises one of

CC the 5602 nucleotide sequences defined in the specification, where the

CC oligonucleotide comprises at least 15 nucleotides; or (b) a combination

CC of an oligonucleotide comprising a sequence complementary to the

CC complementary strand of a polynucleotide which comprises a 5'-end

CC sequence and an oligonucleotide comprising a sequence complementary to a

CC polynucleotide which comprises a 3'-end sequence, where the

CC oligonucleotide comprises at least 15 nucleotides and the combination of

CC the 5'-end sequence/3'-end sequence is selected from those defined in

CC the specification. The primer sets can be used in antisense therapy and

CC in gene therapy. The primers are useful for synthesizing polynucleotides,

CC particularly full-length cDNAs. The primers are also useful for the

CC detection and/or diagnosis of the abnormality of the proteins encoded by

CC the full-length cDNAs. The primers allow obtaining of the full-length

CC cDNAs easily without any specialised methods. AAH03166 to AAH13628 and

CC AAH13633 to AAH18742 represent human cDNA sequences; AAB92446 to

CC AAB95893 represent human amino acid sequences; and AAH13629 to AAH13632

CC represent oligonucleotides, all of which are used in the exemplification

CC of the present invention.

XX Sequence 247 AA;

SO Query Match 77.3%; Score 34; DB 22; Length 247;

Best Local Similarity 75.0%; Pred. No. 64;

Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 1 TLFPVLLF 8
Db 111 SIFPVLLF 118

RESULT 14

AAB93064
ID AAB93064 standard; Protein: 247 AA.

XX AAB93064;

XX 26-JUN-2001 (first entry)

XX Human protein sequence SEQ ID NO:11878.

XX Human; primer: detection; diagnosis; antisense therapy; gene therapy.

XX Homo sapiens.

XX EP1074617-A2.

XX 07-FEB-2001.

XX 28-JUL-2000; 2000EP-0116126.

XX 29-JUL-1999; 99JP-0248036.

XX 27-AUG-1999; 99JP-0300253.

XX 11-JAN-2000; 2000JP-0118776.

XX 02-MAY-2000; 2000JP-0183767.

XX 09-JUN-2000; 2000JP-0241899.

XX (HELI-) HELIX RES INST.

XX Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;

XX Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Otsuki T;

XX WPI: 2001-318749/34.

XX Claim 8; SEQ ID 11878; 2537pp + CD ROM; English.

XX The present invention describes primer sets for synthesizing 5602

XX full-length cDNAs defined in the specification, where a primer set

XX comprises: (a) an oligo-dT primer and an oligonucleotide complementary

XX to the 5602 nucleotide sequence defined in the specification, where the

XX oligonucleotide comprises at least 15 nucleotides; or (b) a combination

XX of an oligonucleotide comprising a sequence complementary to the

XX complementary strand of a polynucleotide which comprises a 5'-end

XX sequence and an oligonucleotide comprising a sequence complementary to a

XX polynucleotide which comprises a 3'-end sequence, where the

XX oligonucleotide comprises at least 15 nucleotides and the combination of

XX the 5'-end sequence/3'-end sequence is selected from those defined in.

XX In gene therapy, the primer sets can be used in antisense therapy and

XX particularly full-length cDNAs. The primers are also useful for the

XX detection and/or diagnosis of the abnormality of the proteins encoded by

XX the full-length cDNAs. The primers allow obtaining of the full-length

XX cDNAs easily without any specialised methods. AAH03166 to AAH13628 and

XX AAH13629 to AAH13632 represent human cDNA sequences; AAH92446 to

XX AAH9593 represent human amino acid sequences; and AAH13629 to AAH13632

XX represent oligonucleotides, all of which are used in the exemplification

XX of the present invention.

XX Sequence 247 AA;

XX Query Match 77.3%; Score 34; DB 22; Length 247;

Best Local Similarity 75.0%; Pred. No. 64;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 1 TLFPVLLF 8
Db 111 SIFPVLLF 118

RESULT 15

AAE14683
ID AAE14683 standard; Protein: 247 AA.

XX AAE14683;

XX 09-AUG-2002 (first entry)

XX Human transcription factor and zinc finger protein (TFZN)-6.

XX Human; transcription factor and zinc finger protein; TFZN-6;

XX cell proliferative disorder; arteriosclerosis; cirrhosis; cancer;

XX developmental disorder; anaemia; epilepsy; autoimmune disorder;

XX inflammatory disorder; acquired immune deficiency syndrome; AIDS;

XX asthma; neurological disorder; Alzheimer's disease; Huntington's disease;

XX transgenic animal; gene therapy.

XX Homo sapiens.

XX WO200224895-A2.

XX 28-MAR-2002.

XX 21-SEP-2001; 2001WO-US29834.

XX 22-SEP-2000; 2000US-234903P.

XX 30-OCT-2000; 2000US-244505P.

XX 08-DEC-2000; 2000US-254402P.

XX (INCY-) INCYTE GENOMICS INC.

XX Nguyen DB, Yue H, Gandhi AR, Halafia AJA, Wallia NK, Yao MC;

XX Thornton M, Ramkumar J, Thangavelu K, Lu Y, Lee S, Baughn MR;

XX Tang YT, Azimzai Y, Kalafus DP, Lu DM;

XX WPI: 2002-394137/42.

XX N-PSDB; AAD31106.

XX New polypeptides of human transcription factors and zinc finger

XX proteins for diagnosing, treating or preventing disorders of

XX neurological, immunological and cell proliferative disorders

XX Claim 1; Page 123; 137pp; English.

XX The present sequence is human transcription factor and zinc finger

XX protein (TFZN)-6. TFZN protein is useful for screening an agonist/

XX antagonist and a compound that specifically binds to it or modulates

XX its activity. The polypeptide is also useful as an immunogen for

XX preparing antibodies which are useful for diagnosing a disease associated

XX with abnormal expression of TFZN, and for detecting and purifying the

XX protein from a sample. Polynucleotide encoding TFZN is useful as a probe

XX or a primer and for assessing toxicity of a test compound. A composition

XX comprising the polypeptide, its agonist or an antagonist is useful for

XX treating a disease or condition associated with decreased or increased

XX expression of functional TFZN. Examples of disorders associated with

XX abnormal expression of TFZN include cell proliferative disorders (e.g.

XX arteriosclerosis, cirrhosis, psoriasis, cancer), developmental disorders

XX (e.g. anaemia, epilepsy), autoimmune/inflammatory disorders (e.g.

XX Gout), neurological disorders (e.g. Alzheimer's disease, Huntington's

XX disease, dementia). The polypeptide and polynucleotide of the invention

XX are further useful for analysing a proteome of a tissue or a

XX cell type. The polynucleotide is also useful for creating knockin

XX humanised animals (pigs) or transgenic animals (mice or rats) to model

XX human disease.

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Page 11

XX
SQ Sequence 247 AA:

Query Match 77.3%; Score 34; DB 23; Length 247;
Best Local Similarity 75.0%; Pred. No. 64;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 1 TLFPVLLF 8
:::|||||
DB 111 SIFPVLLF 118

Search completed: March 14, 2003, 05:40:28
Job time : 2.88764 secs